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#4

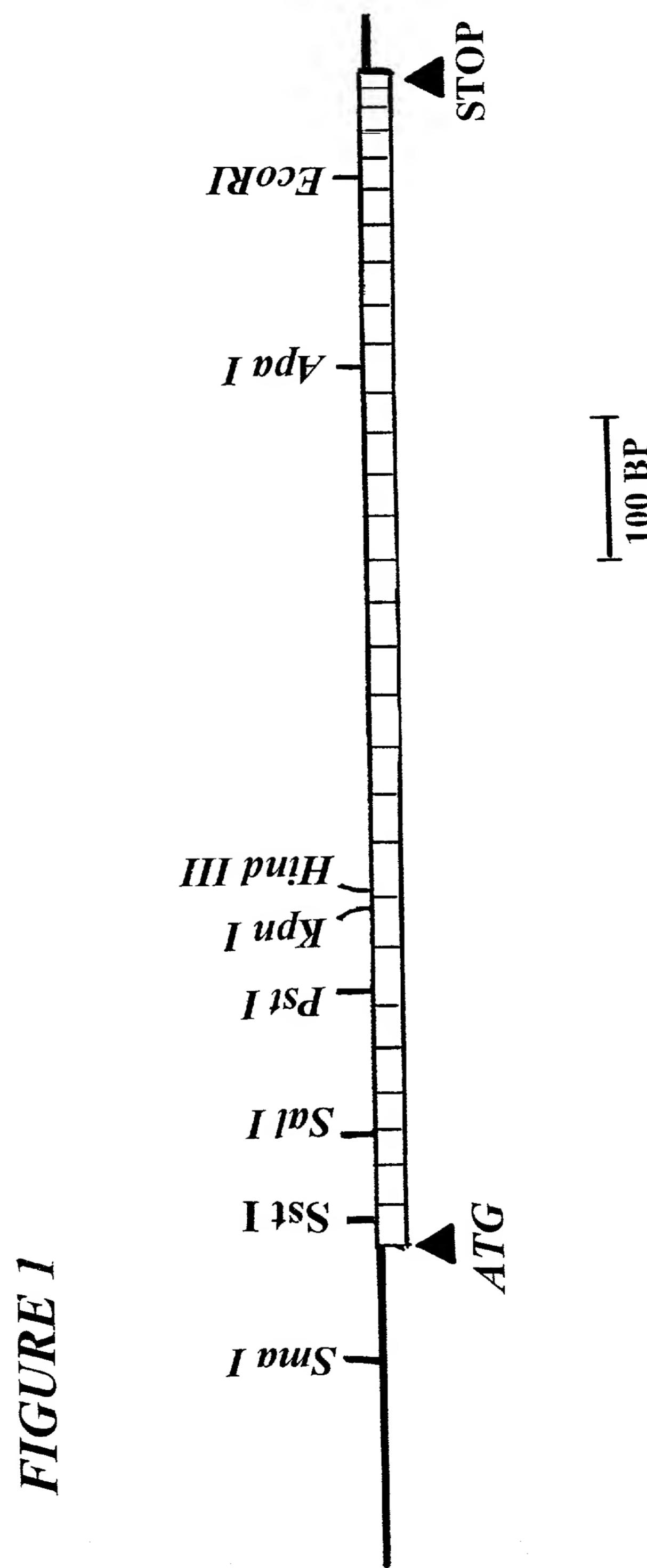


FIGURE 2

Met Asp Ile Leu Cys Glu Glu Asn Thr Ser
A T G G A T T C T T G T G A A G A A T A C T T C T
10 20 30

Leu Ser Ser Thr Thr Asn Ser Leu Met Gln
T T G A G C T C A A C T A C G A A C T C C C T A A T G C C A A
40 50 60

Leu Asn Asp Asp Asp Thr Arg Leu Tyr Ser Asn
T T A A T G A T G A C C A C C A G G C T C T A C A G T A A T
70 80 90

Asp Phe Asn Ser Gly Glu Ala Asn Thr Ser
G A C T T A A C T C C G G A G A G C T A A C A C T T C T
100 110 120

Asp Ala Phe Asn Trp Thr Val Asp Ser Glu
G A T G C A T T A A C T G G A C A G T C G A C T C T G A A
130 140 150

Asn Arg Thr Asn Leu Ser Cys Glu Gly Cys
A A T C G A A C C A A C C T T C C T G T G A A G G G T G C
160 170 180

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FIGURE 2 (cont.)

Leu Ser Pro Ser Cys Leu Ser Leu Leu His
C T C T C A C C G T C G T C T C T C C T T A C T T C A T
190 200 210

Leu Gln Glu Lys Asn Trp Ser Ala Leu Leu
C T C C A G G A A A A A A A C T G G T C T G C T T T A C T G
220 230 240

Thr Ala Val Val Ile Ile Leu Thr Ile Ala
A C A G C C G T A G T G A T T A T T C T A A C T A T T G C T
250 260 270

Gly Asn Ile Leu Val Ile Met Ala Val Ser
G G A A A C A T A C T C G T C A T C A T G G C A G T G T C C
280 290 300

Leu Glu Lys Lys Leu Gln Asn Ala Thr Asn
C T A G A G A A A A G C T G C A G A A T G C C A C C A A C
310 320 330

Tyr Phe Leu Met Ser Leu Ala Ile Ala Asp
T A T T T C C T G A T G T C A C T T G C C A T A G C T G A T
340 350 360

Met Leu Leu Gly Phe Leu Val Met Pro Val
A T G C T G C T G G G T T T C C T T G T C A T G C C C G T G
370 380 390

Ser Met Leu Thr Ile Leu Tyr Gly Tyr Arg
T C C A T G T T A A C C A T C C T G T A T G G G T A C C G G
400 410 420

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FIGURE 2 (cont.)

Trp Pro Leu Pro Ser Lys Leu Cys Ala Val
T G G C C T C T G C C G A G C A A G C T T T G T G C A G T C
430 440 450

Trp Ile Tyr Leu Asp Val Leu Phe Ser Thr
T G G A T T T A C C T G G A C G T G C T C T T C T C C A C G
460 470 480

Ala Ser Ile Met His Leu Cys Ala Ile Ser
G C C T C C A T C A T G C A C C T C T G C G C C A T C T C G
490 500 510

Leu Asp Arg Tyr Val Ala Ile Gln Asn Pro
C T G G A C C G C T A C G T C G C C A T C C A G A A T C C C
520 530 540

Ile His His Ser Arg Phe Asn Ser Arg Thr
A T C C A C C A C A G C C G C T T C A A C T C C A G A A C T
550 560 570

Lys Ala Phe Leu Lys Ile Ile Ala Val Trp
A A G G C A T T T C T G A A A A T C A T T G C T G T T T G G
580 590 600

Thr Ile Ser Val Gly Ile Ser Met Pro Ile
A C C A T A T C A G T A G G T A T A T C C A T G C C C A A T A
610 620 630

Pro Val Phe Gly Leu Gln Asp Asp Ser Lys
C C A G T C T T T G G G C T A C A G G A C G A T T C G A A G
640 650 660

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FIGURE 2 (cont.)

Val Phe Lys Glu Gly Ser Cys Leu Leu Ala
G T C T T T A A G G A G G G G A G T T G C T T A C T T G C C
670 680 690

Asp Asp Asn Phe Val Leu Ile Gly Ser Phe
G A T G A T A A C T T T G T C C T G A T C G G C T C T T T
700 710 720

Val Ser Phe Phe Ile Pro Leu Thr Ile Met
G T G T C A T T T T C A T T C C C T T A A C C A T C A T G
730 740 750

Val Ile Thr Tyr Phe Leu Thr Ile Lys Ser
G T G A T C A C C T A C T T T C T A A C T A T C A A G T C A
760 770 780

Leu Gln Lys Glu Ala Thr Leu Cys Val Ser
C T C C A G A A A G A A G C T A C T T T G T G T G T A A G T
790 800 810

Asp Leu Gly Thr Arg Ala Lys Leu Ala Ser
G A T C T T G G C A C A C G G G C C A A A T T A G C T T C T
820 830 840

Phe Ser Phe Leu Pro Gln Ser Ser Leu Ser
T T C A G C T T C C C T C A G A G T T C T T T G T C T
850 860 870

Ser Glu Lys Leu Phe Gln Arg Ser Ile His
T C A G A A A A G C T C T T C C A G C G G T C G A T C C A T
880 890 900

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FIGURE 2 (cont.)

| | | | | | | | | | |
|---|-----|-----|-----|-----|-----|------|-----|-----|------|
| Arg | Glu | Pro | Gly | Ser | Tyr | Thr | Gly | Arg | Arg |
| A G G G A G C C A G G G T C C T A C A C A G G C A G G A G G | | | | | | | | | |
| 910 | | | | | | 920 | | | 930 |
| Thr | Met | Gln | Ser | Ile | Ser | Asn | Glu | Gln | Lys |
| A C T A T G C A G T C C A T C A G C A A T G A G C A A A A G | | | | | | | | | |
| 940 | | | | | | 950 | | | 960 |
| Ala | Cys | Lys | Val | Leu | Gly | Ile | Val | Phe | Phe |
| G C A T G C A A G G T G C T G G G C A T C G T C T T C T T C | | | | | | | | | |
| 970 | | | | | | 980 | | | 990 |
| Leu | Phe | Val | Val | Met | Trp | Cys | Pro | Phe | Phe |
| C T G T T T G T G G T G A T G T G G T G C C C T T T C T T C | | | | | | | | | |
| 1000 | | | | | | 1010 | | | 1020 |
| Ile | Thr | Asn | Ile | Met | Ala | Val | Ile | Cys | Lys |
| A T C A C A A A C A T C A T G G C C G T C A T C T G C A A A | | | | | | | | | |
| 1030 | | | | | | 1040 | | | 1050 |
| Glu | Ser | Cys | Asn | Glu | Asp | Val | Ile | Gly | Ala |
| G A G T C C T G C A A T G A G G A T G T C A T T G G G G C C | | | | | | | | | |
| 1060 | | | | | | 1070 | | | 1080 |
| Leu | Leu | Asn | Val | Phe | Val | Trp | Ile | Gly | Tyr |
| C T G C T C A A T G T G T T G T T G G A T C G G T T A T | | | | | | | | | |
| 1090 | | | | | | 1100 | | | 1110 |
| Leu | Ser | Ser | Ala | Val | Asn | Pro | Leu | Val | Tyr |
| C T C T C T T C A G C A G T C A A C C C A C T A G T C T A C | | | | | | | | | |
| 1120 | | | | | | 1130 | | | 1140 |

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FIGURE 2 (cont.)

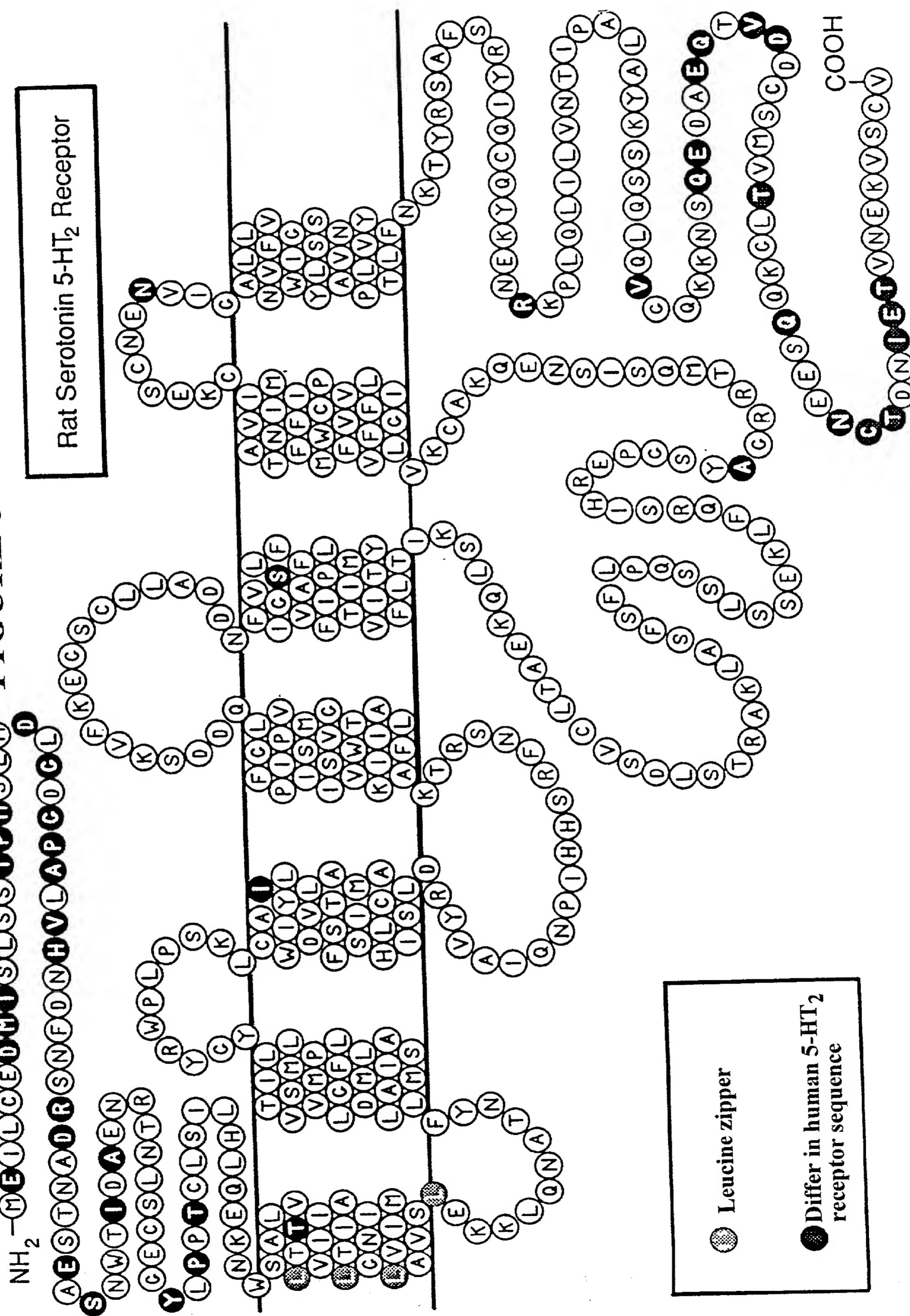
| | | | | | | | | | |
|---|-----|-----|-----|-----|------|-----|-----|-----|------|
| Thr | Leu | Phe | Asn | Lys | Thr | Tyr | Arg | Ser | Ala |
| A C A C T G T T C A A C A A G A C C T A T A G G T C A G C C | | | | | | | | | |
| 1150 | | | | | 1160 | | | | 1170 |
| | | | | | | | | | |
| Phe | Ser | Arg | Tyr | Ile | Gln | Cys | Gln | Tyr | Lys |
| T T T T C A C G G T A T A T T C A G T G T C A G T A C A A G | | | | | | | | | |
| 1180 | | | | | 1190 | | | | 1200 |
| | | | | | | | | | |
| Glu | Asn | Lys | Lys | Pro | Leu | Gln | Leu | Ile | Leu |
| G A A A A C A A A A A C C A T T G C A G T T A A T T T T A | | | | | | | | | |
| 1210 | | | | | 1220 | | | | 1230 |
| | | | | | | | | | |
| Val | Asn | Thr | Ile | Pro | Ala | Leu | Ala | Tyr | Lys |
| G T G A A C A C A A T A C C G G C T T G G C C T A C A A G | | | | | | | | | |
| 1240 | | | | | 1250 | | | | 1260 |
| | | | | | | | | | |
| Ser | Ser | Gln | Leu | Gln | Met | Gly | Gln | Lys | Lys |
| T C T A G C C A A C T T C A A A T G G G A C A A A A A A G | | | | | | | | | |
| 1270 | | | | | 1280 | | | | 1290 |
| | | | | | | | | | |
| Asn | Ser | Lys | Gln | Asp | Ala | Lys | Thr | Thr | Asp |
| A A T T C A A A G C A A G A T G C C A A G A C A A C A G A T | | | | | | | | | |
| 1300 | | | | | 1310 | | | | 1320 |
| | | | | | | | | | |
| Asn | Asp | Cys | Ser | Met | Val | Ala | Leu | Gly | Lys |
| A A T G A C T G C T C A A T G G T T G C T C T A G G A A A G | | | | | | | | | |
| 1330 | | | | | 1340 | | | | 1350 |
| | | | | | | | | | |
| Gln | His | Ser | Glu | Glu | Ala | Ser | Lys | Asp | Asn |
| C A G C A T T C T G A A G A G G C T T C T A A A G A C A A T | | | | | | | | | |
| 1360 | | | | | 1370 | | | | 1380 |

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FIGURE 2 (*cont.*)

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FIGURE 3



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FIGURE 4

